

WHAT IS CLAIMED IS:

1. An improved bearing for a heat dissipation fan, comprising:
a hydraulic bearing, comprising:
an oil chamber for containing lubricant, the oil chamber includes a
5 sidewall extending between one open end and one closed end, wherein the
closed end is perforated with a through hole, an edge of the sidewall at the open
end is partially recessed to form at least one notch, and an external surface of
the sidewall is partially recessed along an elongate direction to form at least one
oil slot aligned with the notch, the recessed external sidewall is further
10 perforated with a through hole;
an O-ring disposed adjacent to the closed end of the oil chamber, the
O-ring has an aperture aligned with the through hole of the closed end;
an axial column, inserted into the oil chamber through the aperture
of the O-ring and the through hole of the closed end; and
15 an external sleeve for receiving the oil chamber therein.
2. The bearing of Claim 1, wherein the central axis column is operative
to rotate within the oil chamber, such that the lubricant contained in the oil
chamber is driven to flow upwardly through the notch into the oil slot.
3. The bearing of Claim 2, wherein the axial column is so configured
20 to prevent the lubricant from flowing external to the oil chamber via the through
hole of the closed end.
4. The bearing of Claim 1, wherein the external sleeve includes a
sidewall extending between an open end and a closed end.
5. The bearing of Claim 1, wherein the hydraulic bearing further
25 comprises a pad disposed in the external sleeve on the closed end thereof before
the oil chamber is received therein.